

CHAPTER VII UTILITIES

EXHIBIT "B"

Route I-35, Clay County
Job No. J4I0110

LUMP SUM ESTIMATE

X Y Z Pipeline Company

1. Materials

130'	-	12 3/4" O.D. Casing	@	\$10.04	\$1305.20
20'	-	8 5/8" O.D. Line Pipe	@	6.41	128.20
40'	-	2" Vent Pipe	@	1.14	45.60
2	-	2" Vent Caps	@	21.00	42.00
15	-	8" x 12" Casing Insulators	@	14.75	221.25
2	-	8" x 12" Casing Seals	@	22.43	44.86
2	-	2" T-O-R Nipple Assemblies	@	103.00	206.00
2	-	Welds-Plus-Ends Coupling	@	214.00	428.00
21	-	Squares Polyethylene Tape	@	18.17	381.57
2	-	8" Gask-O-Seal	@	12.00	<u>24.00</u>

Subtotal 2826.68

Handling Charge @ 8% 226.14

Total Materials \$3052.82

2. Labor

Superintendent	1	day	@	150.00	150.00
Welder	16	hrs.	@	14.50	232.00
Pipe Liners	48	hrs.	@	13.70	657.60
Common	16	hrs.	@	9.50	152.00
Truck Driver	16	hrs.	@	11.10	<u>177.60</u>
					1369.20

Employee Benefits - 31.36% (includes Workmen's Compensation,
Accident Insurance, Retirement, Social
Security) 429.38

Employee Expense 9 days @ 50.00 450.00

Total Labor 2248.58

Lump Sum Estimate

Figure 7-02.10

Sheet 1 of 4
Rev. 1-8-01

CHAPTER VII UTILITIES

3.	Equipment					
	Automobiles	1100	mi.	@	0.30	330.00
	Truck	16	hrs.	@	7.50	120.00
	Dozer* w/side boom	16	hrs.	@	51.00	816.00
	Tractor* w/backhoe	8	hrs.	@	20.00	<u>160.00</u>
	*Includes operator				Total Equipment	1426.00
4.	Engineering					
	Preliminary Engineering	24	hrs.	@	15.00	360.00
	Construction Engineering	12	hrs.	@	15.00	<u>180.00</u>
					Total Engineering	540.00
5.	Overhead @ 23.47% of items 1, 2, 3 & 4 (includes indirect labor, office expense, miscellaneous expense, payroll insurance, etc.)					1705.66
6.	Credit. Cost of salvage exceeds salvage value of					<u>0.00</u>
					Total Cost of Work	\$8973.06

SUMMARY

(1)	Materials	2826.68
	Handling Charge 8%	226.14
(2)	Labor	2248.58
(3)	Equipment	1426.00
(4)	Engineering	540.00
(5)	Overhead - 23.47%	1705.66
(6)	Credit	<u>0.00</u>
	Total	\$8973.06

Existing line on Company private easement
Commission responsibility = 100%

CHAPTER VII UTILITIES

EXHIBIT "B"

Route I-35, Clay County
Job No. J4I0110

LUMP SUM ESTIMATE

X Y Z Pipeline Company

1. Materials

40 m	-	319 mm O.D. Casing	@	\$32.63	\$1305.20
6 m	-	216 mm O.D. Line Pipe	@	21.37	128.22
12 m	-	50 mm Vent Pipe	@	3.80	45.60
2	-	50 mm Vent Caps	@	21.00	42.00
15	-	200 mm x 300 mm Casing Insulators	@	14.75	221.25
2	-	200 mm x 300 mm Casing Seals	@	22.43	44.86
2	-	50 mm T-O-R Nipple Assemblies	@	103.00	206.00
2	-	Welds-Plus-Ends Coupling	@	214.00	428.00
21	-	Squares Polyethylene Tape	@	18.17	381.57
2	-	200 mm Gask-O-Seal	@	12.00	<u>24.00</u>

Subtotal 2826.70

Handling Charge @ 8% 226.14

Total Materials \$3052.84

2. Labor

Superintendent	1	day	@	150.00	150.00
Welder	16	hrs.	@	14.50	232.00
Pipe Liners	48	hrs.	@	13.70	657.60
Common	16	hrs.	@	9.50	152.00
Truck Driver	16	hrs.	@	11.10	<u>177.60</u>
					1369.20

Employee Benefits - 31.36% (includes Workmen's Compensation,
Accident Insurance, Retirement, Social
Security) 429.38

Employee Expense 9 days @ 50.00 450.00

Total Labor 2248.58

Lump Sum Estimate

METRIC**CHAPTER VII
UTILITIES**

3.	Equipment					
	Automobiles	1770	km.	@	0.19	336.30
	Truck	16	hrs.	@	7.50	120.00
	Dozer* w/side boom	16	hrs.	@	51.00	816.00
	Tractor* w/backhoe	8	hrs.	@	20.00	<u>160.00</u>
	*Includes operator				Total Equipment	1432.30
4.	Engineering					
	Preliminary Engineering	24	hrs.	@	15.00	360.00
	Construction Engineering	12	hrs.	@	15.00	<u>180.00</u>
					Total Engineering	540.00
5.	Overhead @ 23.47% of items 1, 2, 3 & 4 (includes indirect labor, office expense, miscellaneous expense, payroll insurance, etc.)					1707.14
6.	Credit. Cost of salvage exceeds salvage value of					<u>0.00</u>
					Total Cost of Work	\$8980.86

SUMMARY

(1)	Materials					2826.70
	Handling Charge 8%					226.14
(2)	Labor					2248.58
(3)	Equipment					1432.30
(4)	Engineering					540.00
(5)	Overhead - 23.47%					1707.14
(6)	Credit					<u>0.00</u>
					Total	\$8980.86

Existing line on Company private easement
Commission responsibility = 100%